WHAT IS CLAIMED IS:

1. A packaging system for shipping substances comprising:

a packaging container for storing substances during shipping, said packaging container comprising:

an elongate vessel comprising a bottom wall, a top surface, a cylindrical body extending from said bottom wall to said top surface, said cylindrical body comprising an outer surface, a tapered inner surface, and a vertical portion, said vertical portion extending between said tapered inner surface and said top surface, said vessel comprising a plurality of locking tabs formed on said outer surface; and

a lid comprising a cylindrical body, an interior perimeter and an inner surface, an inner sealing ring extending from said inner surface and configured to engage and seal against said vertical portion of said elongate vessel, an outer sealing ring extending down from said inner surface and out from said interior perimeter, a plurality of tab receptacles positioned within said lid cylindrical body, and a plurality of notches within said cylindrical body positioned between said plurality of tab receptacles, said tab receptacles configured to receive said plurality of locking tabs.

2. A packaging system in accordance with claim 1 wherein said locking tabs extend radially outward from a perimeter ring formed on said outer surface.

3. A packaging system in accordance with claim 2 wherein said locking tabs extend from said outer surface and comprise a first end, a second end, and a first member therebetween.

4. A packaging system in accordance with claim 3 wherein said locking tabs comprise a top and said perimeter ring comprises a top said tops being co-planar and forming a secondary sealing surface.

5. A packaging system in accordance with claim 4 wherein said outer sealing ring engages said secondary sealing surface.

6. A packaging system in accordance with claim 1 wherein said locking tabs comprise a locking indentation formed in said first member and said tab receptacles comprise an indentation engaging member formed therein, said indentation engaging member and said locking indentation engaging one another when said lid is attached to said vessel.

7. A packaging system in accordance with claim 1 wherein said elongate vessel comprises a polycarbonate and said lid comprises polypropylene.

8. A packaging system in accordance with claim 1 wherein said vertical portion comprises a machined surface.

9. A vessel comprising:

a bottom wall;

a top surface;

an outer surface;

a plurality of locking tabs extending from said outer surface; and

a cylindrical body extending from said bottom wall to said top surface, said cylindrical body comprising a tapered inner surface and a vertical portion, said vertical portion extending between said tapered inner surface and said top surface, said tapered inner surface extending from said bottom wall to said vertical portion.

10. A vessel according to claim 9 wherein said vertical portion comprises a machined surface utilized in sealing said vessel.

11. A vessel according to claim 9 wherein said locking tabs comprise a locking indentation formed therein.

12. A vessel in accordance with claim 9 further comprising a perimeter ring extending from said outer surface between said outer surface and said locking tabs.

13. A vessel in accordance with claim 12 wherein said locking tabs comprise a top and said perimeter ring comprises a top, said tops being co-planar and providing a sealing surface.

14. A vessel in accordance with claim 12 wherein said plurality of locking tabs comprises eight locking tabs spaced evenly around said outer surface of said cylindrical body.

15. A method for sealing a substance within a container, the container including an elongate vessel and a lid, the vessel including a bottom wall, a top surface, a cylindrical body extending between the bottom wall and the top surface, the cylindrical body including an outer surface, a tapered inner surface and a vertical portion, the vertical portion extending between the tapered inner surface and the top surface, the tapered inner surface extending from the bottom wall to the vertical portion, and a plurality of locking tabs mounted to the outer surface, the lid including an inner surface and an interior perimeter, a cylindrical body extending from the top wall, a plurality of tab receptacles positioned within the lid cylindrical body, and an inner sealing ring extending from the inner surface, said method comprising:

placing the substance within the elongate vessel;

engaging the inner sealing ring of the lid against the vertical portion of the vessel to form a seal; and

receiving the locking tabs in the receptacles utilizing a plurality of notches on an outer surface of the lid, the notches positioned between the receptacles.

16. A method according to claim 15 further comprising machining a surface of the vertical portion of the vessel.

17. A method according to claim 15 further comprising:

forming indentation engaging members in the tab receptacles;

forming locking indentations in the locking tabs; and

engaging the locking indentations and indentation engaging members.

18. A method according to claim 15 further comprising:

forming an outer sealing ring which extends from the inner surface of the lid; and

inserting a top surface of the vessel between the inner sealing ring and the outer sealing ring; and

engaging the top surface against a portion of the inner surface between the inner sealing ring and outer sealing ring.

19. A method in accordance with claim 18 wherein the locking tabs extend radially outward from a perimeter ring formed on the outer surface, the locking tabs including a first end, a second end, and a member between the first end and the second end, the perimeter ring and locking tabs having tops which are co-planar, forming a secondary sealing surface, said method further comprising engaging the outer sealing ring with the secondary sealing surface.

20. A method in accordance with claim 15 wherein said attaching the lid to the vessel further comprises the step of rotating the lid upon the vessel such that the locking tabs positioned on the vessel are received within the receptacles positioned on the lid.

21. A method according to claim 15 further comprising configuring the inner sealing ring to strengthen its seal against the vertical portion as pressure inside the vessel increases.